

IN THE CLAIMS:

Please amend the claims of this application so as to read as follows:

1. (Currently Amended) A moving apparatus, comprising:

a flying body, including

a wing portion for fluttering in a space in which a fluid exists,
a driving portion for performing a down stroke in which said wing
portion is moved downward from above and an up stroke in
which said wing portion is moved upward from below, and
a main body to which said wing portion is attached and said
driving portion is mounted; wherein

by time average for the series of said down stroke and said up
stroke, vertically upward force received by said wing portion
from said fluid is larger than gravity acting on said flying
body , and wherein

~~said wing portion consists of two wings and said moving
apparatus can hover using said two wings.~~ said moving
apparatus has means for moving backward by one
fluttering motion.

2. (As originally filed) The moving apparatus according to claim 1, wherein
volume of said space in which said wing moves in said down stroke is
larger than the volume of said space in which said wing moves in said up
stroke.

3. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation indoors.
4. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation outdoors.
5. (Previously Presented) The moving apparatus according to claim 1, wherein each wing of said wing portion has a wing body portion, and a wing shaft portion supporting said wing body portion; and wherein said driving portion changes a torsion angle formed by a tip end of each wing of said wing body portion and a prescribed reference plane, by driving its associated wing shaft portion.
6. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion makes said torsion angle in said down stroke different from said torsion angle in said up stroke.
7. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion changes with time said torsion angle.

8. (Previously Presented) A moving apparatus, comprising:

- a flying body, including
- a wing portion for fluttering in a space in which a fluid exists,
- a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and
- a main body to which said wing portion is attached and said driving portion is mounted; wherein

by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body, and

wherein

- said wing portion has
- a wing body portion, and
- a wing shaft portion supporting said wing body portion;

wherein

said driving portion changes a torsion angle formed by a tip end of said wing body portion and a prescribed reference plane, by driving said wing shaft portion; and

wherein

said wing shaft portion includes one wing shaft portion and the other wing shaft portion; and

said wing body portion includes a film portion formed spreading across said one wing shaft portion and said the other wing shaft portion separately.

9. (Cancelled, without prejudice)

10. (Cancelled, without prejudice)

11.-(Cancelled, without prejudice)

12. (Cancelled, without prejudice)

13. (Cancelled, without prejudice)

14. (Cancelled, without prejudice)

15. (Cancelled, without prejudice)

16. (Previously Presented) The moving apparatus according to claim 8,
wherein
said one wing shaft portion and the other wing shaft portion are
formed such that a space therebetween is enlarged toward tip
ends of said one wing shaft portion and said the other wing shaft
portion.

17. (Previously Presented) The moving apparatus according to claim 8, wherein
said one wing shaft portion and said the other wing shaft portion
are pivotable about the respective axes of said one wing shaft
portion and said the other wing shaft portion.

18. (As originally filed) The moving apparatus according to claim 1, wherein
a target manner of movement is realized by time-sequentially combining
basic operations in accordance with basic operations pattern data.

19. (As originally filed) The moving apparatus according to claim 18, comprising storing means for storing combination of said basic operations pattern data and driving manner data related to the manner of driving said driving portion realizing said basic operations pattern data.

20. (New) A moving apparatus, comprising:

a flying body, including

a wing portion for fluttering in a space in which a fluid exists,
a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and
a main body to which said wing portion is attached and said driving portion is mounted; wherein

by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body, and wherein

said moving apparatus has means for modifying the relationship between the position of the center of gravity thereof and the plane of fluttering motion.

21. (New) The moving apparatus according to claim 20, wherein

volume of said space in which said wing moves in said down stroke is larger than the volume of said space in which said wing moves in said up stroke.

22. (New) The moving apparatus according to claim 20, wherein

said flying body is used as moving means for performing a prescribed operation indoors.

23. (New) The moving apparatus according to claim 20, wherein
said flying body is used as moving means for performing a prescribed
operation outdoors.
24. (New) The moving apparatus according to claim 20, wherein
each wing of said wing portion has
a wing body portion, and
a wing shaft portion supporting said wing body portion; and
wherein
said driving portion changes a torsion angle formed by a tip end of
each wing of said wing body portion and a prescribed reference
plane, by driving its associated wing shaft portion.
25. (New) The moving apparatus according to claim 24, wherein
said driving portion makes said torsion angle in said down stroke
different from said torsion angle in said up stroke.
26. (New) The moving apparatus according to claim 24, wherein
said driving portion changes with time said torsion angle.